Eric Kearney

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SUMMARY

Results-driven software engineer with four years of professional experience in software development, testing, and maintainence. Demonstrated ability to design, develop, and deploy complex software systems. Strong problem-solving skills and experience in using machine learning and big data tools to derive insights from complex datasets.

EXPERIENCE

Raytheon Technologies – Aurora, CO — Aug. 2019 - Present

Tech stack: Java, Gradle, Groovy, JUnit, Cucumber, Python, batch scripting, MySQL, XML, Windows Server, Linux, SaaS, Bitbucket, Jenkins, Jira, Confluence

Software Engineer II - Joint Polar Satellite System — Nov. 2021 - Jan. 2023

- Identified and corrected critical bugs in File Transfer System, improving system reliability
- Developed and implemented scalable data pipeline by balancing load across multiple servers in a muli-threaded solution; reduced the time-to-complete of mission critical jobs from days to hours
- Successfully completed build close out while working on multiple parallel projects, and consistently pulled to provide operational support, resolve high-priority defects, and respond to direct client inquiries and requests

Scrum Master - HP Replacement of IBM Products — Mar. 2021 - Nov. 2021

- Served as Scrum Master to fill void created by staffing shortage, lead team of six during the process of migrating server infrastructure
- Ran quick and effective daily standups, efficiently eliminated team blockers
- Transformed previously lagging team into top performer

Test Engineer - GPS-OCX — Aug. 2019 - Mar. 2021

- Wrote clean and concise unit and functional tests and achieved broad and deep test coverage of codebase
- Revived dead scripts, and updated them to IEEE standards at the client's request, said scripts served as the basis for future client deliverables
- Maintained nightly test pipeline to ensure high quality and error-free code

PROJECTS

Investing Subreddit Analysis

- Created script to analyze the sentiment of thousands of comments from reddit.com to determine a subreddit's attitude towards a given company
- Assembled portfolios for each subreddit based on their sentiment, and analyzed and compared the performance of these portfolios to determine a 'winner'

Movie Performance Predictor

- Used deep neural networks to determine the most imporatnt factor in movie success, both in terms of box office performance and critical/audience reviews
- Scraped data from websites including IMDB, RottenTomatoes, and BoxOfficeMojo, assembled data into a single coherent database for use in the project

SKILLS

Python: NumPy, pandas, PyTorch, OpenCV, Flask, Django, PySpark, pylint, pytest, Jupyer
Java: Gradle, Groovy, JUnit, Cucumber
JavaScript: TypeScript, React
Scripting: Bash, Powershell
Big Data Tools: SQL (PostgreSQL, MySQL, SQLite, SQLalchemy), Spark, Hadoop
Development Tools: Linux (Debain/Ubuntu, Fedora/Red Hat, Unix), object-oriented programming, Containerization (Docker, Kubernetes), Git (GitHub, Bitbucket), AWS, CI/CD, Jenkins, Jira, Confluence

EDUCATION

Master's of Science - Computer Science — Jan. 2022 - Dec. 2025
Colorado State University — Fort Collins, CO

Bachelor's of Science - Computer Science — Jan. 2017 - May 2019
Metropolitan State University of Denver — Denver, CO